

C A L I F O R N I A

High Performance School Buildings Workshops

Sponsored by Southern California Edison, the California Energy Commission, Pacific Gas & Electric, U.S. DOE, and U.S. EPA



Choptank Elementary School (Cambridge, MD) expects to save \$400,000 in energy and maintenance costs over the next 20 years by using a geothermal heat pump to heat and cool its 45,000 square feet of usable space.

Architects receive six Learning Units (Health, Safety, and Welfare) under AIA's Continuing Education System.

The workshops are endorsed by the California Department of Education.



Designed by SBIC-member firm Innovative Design, Durant Middle School (Raleigh, NC) uses state-of-the-art lighting controls, daylighting, and an energy management system to save the school district more than \$21,000 annually. Firm principal Gary Bailey is one of the lead presenters at the California High Performance Schools Workshops.

Thursday, October 26, 2000 – Costa Mesa

Audience: Assistant Superintendents, School Facilities Procurement Personnel

Friday, October 27, 2000 – Long Beach

Audience: Architects, Engineers, School Facilities Managers

If you want to make a real difference in the quality and affordability of public education today, designing and constructing 'high performance' schools is the place to start. The Sustainable Buildings Industry Council (SBIC) and members of the Collaborative for High Performance Schools (CHPS) are conducting a series of practical, results-oriented workshops that provide instruction in designing – and procuring – facilities that support better attendance and higher test scores, while contributing to employee retention and occupant health. Studies have shown a direct link between schools that incorporate sustainable design components (daylighting, natural ventilation, and healthful indoor environments) and improved student/teacher performance. We'll show you how to design energy- and resource-efficient, high performance schools for your communities, and how to procure these facilities in a confident, cost-effective manner.

The workshops are FREE and are being held in the greater Los Angeles and Orange County areas: one geared specifically for assistant superintendents and school facilities procurement personnel on Thursday, October 26th at the Hilton Costa Mesa; the second on Friday, October 27th at the Long Beach Hilton for architects, engineers, and school facilities managers with an interest in sustainable, 'whole building' design. Attendees of the A/E & facility managers session on the 27th will be among the first to preview CHPS's new *Best Practices Manual*. You should only attend the session that most closely matches your role in the design/procurement/facilities management process.

Thursday, October 26 – Hilton Costa Mesa Hotel

Assistant Superintendents, School Facilities Procurement Personnel

- 8:45 a.m. Networking Breakfast
- 9:30 a.m. Welcome/Introductory Remarks
- 9:45 a.m. What is a High Performance School Building?
- 10:00 a.m. The Benefits of High Performance School Buildings
- 11:00 a.m. Break
- 11:15 a.m. Key Characteristics of High Performance Schools
- 12:00 p.m. How to Get One – *The High Performance School Buildings Design Process Guide*
- 12:15 p.m. Lunch + Keynote Address
Delaine Eastin, State Superintendent of Public Instruction (Invited)
- 1:30 p.m. Panel Discussion – Procuring High Performance School Buildings
- 3:00 p.m. ADJOURN

Friday, October 27 – Long Beach Hilton Hotel

Architects, Engineers, School Facilities Managers

- 7:45 a.m. Networking Breakfast
- 8:30 a.m. Welcome/Introductory Remarks
Stephan Castellanos, FAIA, State Architect of California (Invited)
- 9:00 a.m. What is a High Performance School Building?
- 9:45 a.m. Strategies for Creating High Performance School Buildings
Daylighting and Fenestration
- 10:30 a.m. Break
- 10:45 a.m. Electric Lighting and Controls
- 11:30 a.m. Indoor Air Quality
- 12:15 p.m. "Box Lunch" in Exhibit Area
- 1:15 p.m. HVAC Systems and Natural Ventilation
Materials Selection and Surfaces
Special Discussion – Performance Ratings
- 3:00 p.m. Break
- 3:15 p.m. Panel Discussion – Delivering High Performance Schools in the Real World
- 4:15 p.m. ADJOURN

California High Performance Schools workshop instructors are recognized experts in the fields of sustainable design and school building procurement. Thanks to the generosity of sponsoring organizations, there is no cost for participation, but attendees must register by October 23. Enrollment is limited to 200 attendees at each session, so don't delay.

The registration form below can be faxed to 202-393-5043; additional information is available at **www.SBICouncil.org**. A block of rooms has been reserved at the Hilton Costa Mesa for Wednesday October 25th @ \$139 single or double occupancy. Another block is available at the Long Beach Hilton on Thursday October 26th @ \$149 single or double. Cut-off dates are 10/4 and 10/6, respectively. For reservations, call Hilton Costa Mesa: 714-540-7000; Long Beach Hilton: 526-983-3400 and mention "High Performance Schools". For more information, contact Ellen Larson at 202-628-7400 x 211.

***High Performance, Sustainable Schools are in Everyone's Best Interest.
Help Shine the Light on Education's Bright Future – Sign Up Today!***

Name: _____

Title: _____

School District/Firm: _____

Address: _____

City, State, Zip: _____

Phone: _____ Fax: _____

E-mail: _____



Building integrated solar roofing at Montara Elementary School (South Gate, CA) offers the same levels of protection and aesthetics as premium roofing, and generates clean solar-derived energy.

"In times of limited resources and faced with an increasing demand for student achievement and accountability, it's critically important for local districts to embrace the strategies and concepts presented in the High Performance School Buildings Workshops."

***– Duwayne Brooks
Asst. Superintendent
of Public Instruction,
California Dept. of Education***



Green Bay East High School (Green Bay, WI) has 48 4' x 6' solar panels. At peak capacity, the units produce 12kW of electricity, saving the school about \$2,100 in energy costs each year. The solar panels will provide additional curriculum and learning opportunities for the students.

Visit SBIC at www.SBICouncil.org

The Sustainable Buildings Industry Council is an independent, nonprofit organization whose mission is to advance the design, affordability, energy performance, and environmental soundness of residential, institutional, and commercial buildings nationwide.

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